

ATTORNEY DOCKET  
2001P15526US

PATENT APPLICATION  
09/990,844

2

### SPECIFICATION AMENDMENT

1. Please replace the paragraph starting on page 12, line 3 with the following amended paragraph:

As generally discussed above, another embodiment according to figure 9-8 includes only two of the three shown equalizer units, for example, the Tap-selectable Viterbi Equalizer and the regular Viterbi Equalizer or the Delayed Decision Feedback Sequence Estimator. Yet another embodiment comprises the regular Viterbi Equalizer and the Delayed Decision Feedback Sequence Estimator. A plurality of different equalizer units can be implemented, whereby each equalizer unit is suitable to calculate a trellis for a specific power distribution of a respective symbol sequence. All exemplary embodiments can be preferably implemented by a suitable digital signal processor.

2. Please replace the paragraph starting on page 12, line 21 with the following amended paragraph:

Preferably, the previous symbol is the oldest symbol. More specifically for longer sequences having  $n$  symbols, the previous determination usually includes a sub-sequence of  $n-1$  symbols. Thus, the determination of at least one symbol can ~~comprises~~ comprise a sub-sequence of up to the last  $n-2$  symbols. The method can further be executed depending on power distribution of said sequence of symbols and in addition can be performed for those sub-sequences in which the power distribution of the  $n-2$  symbols is below a predefined threshold.

AUS01:380795.1